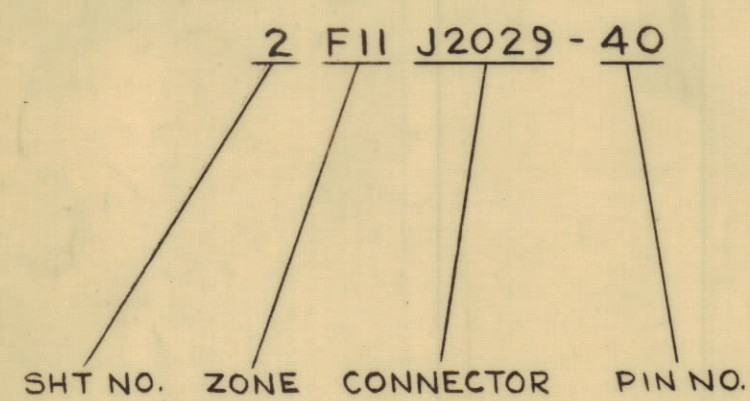


CARDS USED

PART NO.	DESCRIPTION	CONNECTOR NO.	LOCATION	B+ INPUT	B- INPUT
PC144/A3761	RESET CKT FOR MEMORY FF'S	J2001	SHT 3	PIN 5	PIN 37
PC141/A3758	SHIFT REGISTER FOR MEMORY FF'S	J2002	SHT 6	" 5	" 37
PC121/A3688	READOUT MEMORY FF'S	J2003	SHT 6	" 5	" 37
"	"	J2004	" 6	" 5	" 37
PC124/A3691	READOUT CKT FOR KC NIXIE DRIVERS	J2005	" 6	"	" 37
PC121/A3688	READOUT MEMORY FF'S	J2006	" 7	" 5	" 37
"	"	J2007	" 7	" 5	" 37
PC123/A3690	READOUT DRIVE CKT	J2008	" 7	"	PIN 39 PIN 19
PC141/A3758	SHIFT REGISTER FOR MEMORY FF'S	J2009	" 8	" 5	" 37
PC121/A3688	READOUT MEMORY FF'S	J2010	" 8	" 5	" 37
"	"	J2011	" 8	" 5	" 37
"	"	J2012	" 9	" 5	" 37
PC123/A3690	READOUT DRIVE CKT	J2013	" 8	"	" 39 " 19
PC121/A3688	READOUT MEMORY FF'S	J2014	" 9	" 5	" 37
PC126/A3693	READOUT DRIVE CKT	J2015	" 9	"	" 37
PC124/A3691	R'OUT DRIVE CKT FOR NIXIE DRIVERS	J2016	" 5	"	" 37
PC121/A3688	READOUT MEMORY FF'S	J2017	" 5	" 5	" 37
"	"	J2018	" 5	" 5	" 37
PC138/A3755	AND-OR LOGIC FOR MC R'OUTS	J2019	" 4	" 5	" 37
PC145/A3754	NOR LOGIC FOR MC 10'S, 20'S, 30'S	J2020	" 4	" 5	" 37
PC140/A3757	NOR LOGIC FOR MC 1'S	J2021	" 4	" 5	" 37
"	"	J2022	" 4	" 5	" 37
PC143/A3760	FIRST LOGIC STAGE-MC R'OUTS	J2023	" 3	"	" 37
PC121/A3688	READOUT MEMORY FF'S	J2024	" 3	" 5	" 37
PC142/A3759	MC SHIFT REGISTER	J2025	" 3	" 5	" 37
PC160/A3794	TIMING & RESET CKT	J2026	" 2	" 5	" 37
PC139/A3756	CODE STORAGE - INPUT SH. REG.	J2027	" 2	" 5	" 37
PC127/A3694	INITIAL RESET CKT	J2028	" 1	" 5	" 37
PC125/A3692	SERIAL TO PARALLEL SH. REG.	J2029	" 2	" 5	" 37
PC165/A3806	SER. TOPAR. CLOCK CKT	J2030	" 1	" 5	" 37

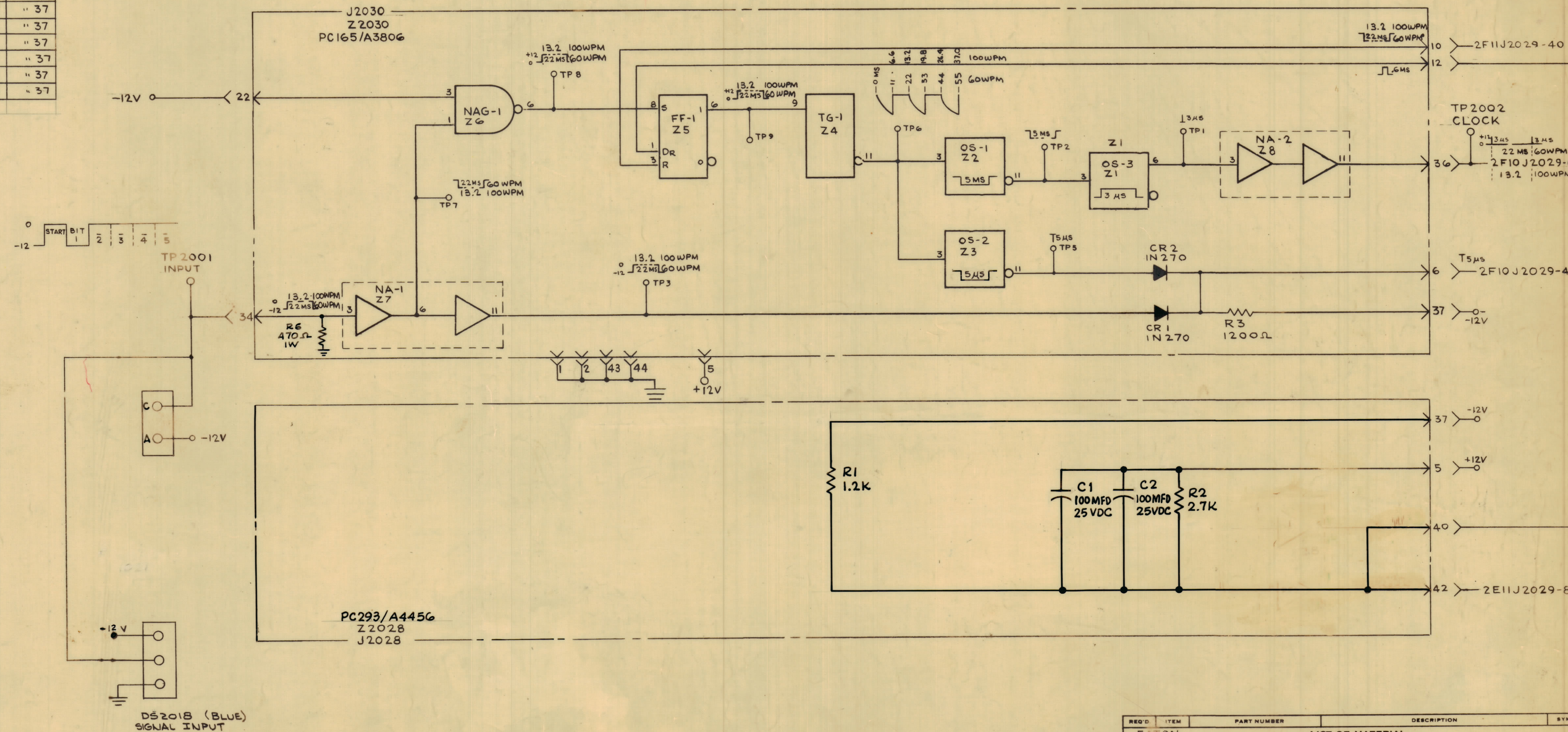
- NOTES:
 1- GROUND CONNECTION THRU PINS 1, 2, 43 & 44 FOR ALL CARDS.
 2- FOR RTIE-1 DELETE DS 2015 AND R2018, LOCATED ON SHEET B OF 9.

DWG DESTINATION



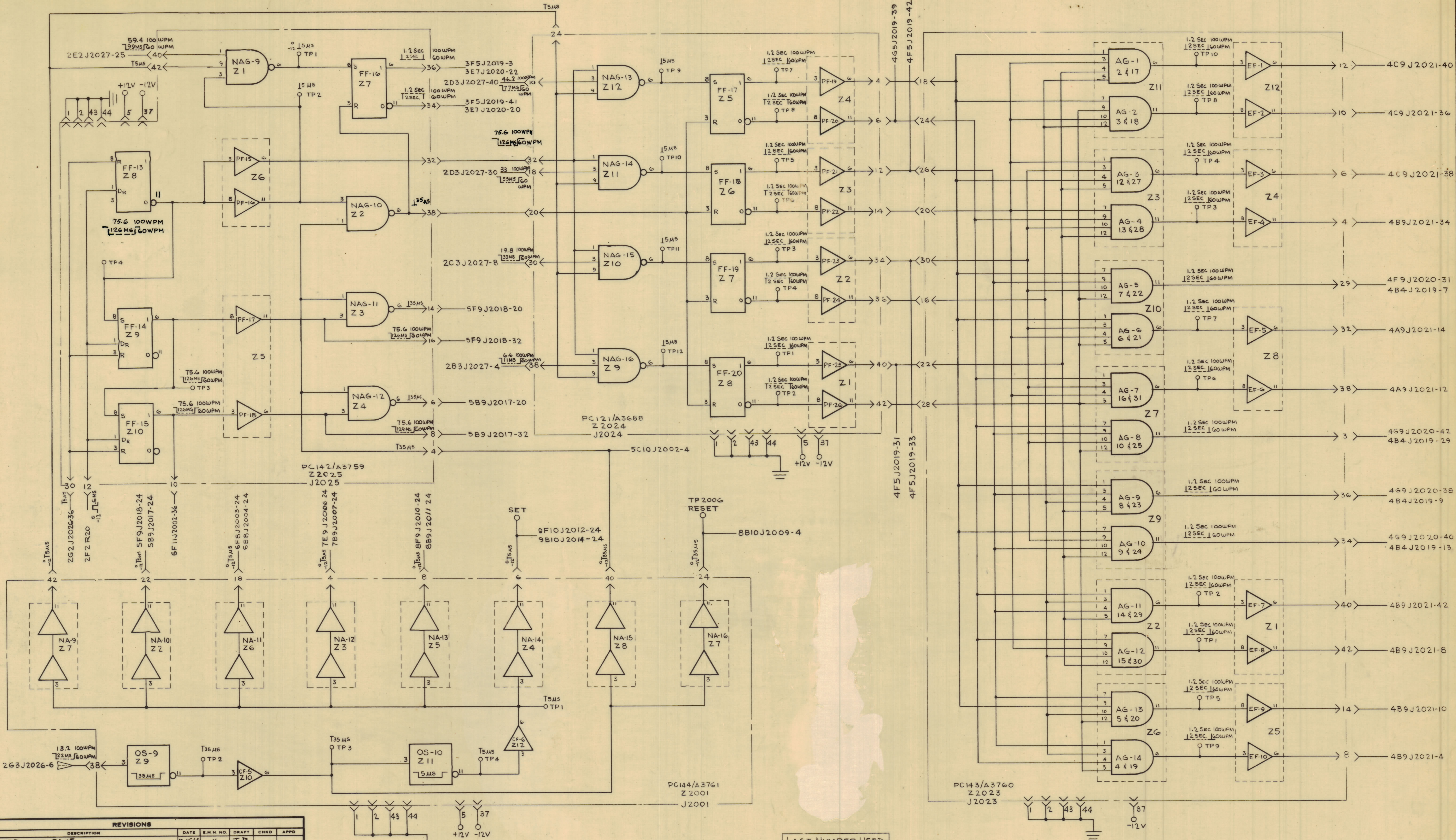
LAST NUMBER USED

- FF-1
- NA-2
- NAG-1
- OS-3
- TG-1



REVISIONS					
BY	DESCRIPTION	DATE	EM. NO.	DRAFT	CHKD.
X	EXPER. RELEASE	12-14-64	X	TR	
Ø	ORIGINAL RELEASE FOR PRODUCTION	2-5-65		HLA	J.M.
A	SEE SHEETS 7, 8, 9 OF 9 REV. "A"	2-19-65	13603	HLA	J.M.
B	WAVE ON Z3 ELEMENTS R.G. LETTERING & CONTROL & NOTES ADDED SEE SHEETS 2 THRU 9	4-4-65	14180	G.D.L.	J.M.
C	CK 881 CHG TO CK 1021	11-9-65	15109	H.V.V.	J.M.
D	PC293/A4456 WAS PC127/A3694; REV. COMPLETELY	5-10-66	16236	HCA	J.M.

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
EATON LIST OF MATERIAL				
MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
FINISH				
TITLE DIAGRAM LOGIC, DETAILED RTIA-1				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES				
DRAWN T. PAMIREL		DATE 2-17-64	FINAL APPROVAL K.C.	
CHECKED M. S. SHAW		DATE 2/18/64	DATE 2/18/64	
DECIMALS 3 ± .05 XX ± .01 XXX ± .005		FRACTIONS ± 1/64 ANGLES ± 0° 30'	TOLERANCES	
RECD. DES.		DATE	SHEET 1 OF 9	
CK 807				D



REVISIONS						
SYM	DESCRIPTION	DATE	E.M. NO.	DRAFT	CHKD	APPD
X	EXPER RELEASE	12-15-64	X	TR		
O	ORIGINAL RELEASE FOR PRODUCTION	2-5-65		HLA		
A	SEE SHEETS 7, 8, 9 OF 9 REV. "A"	3-19-65	13603	ZF		
B	ON Z8 #11 ADDED WAVE FORM ON TP4 Y Z8 MODIFIED	6-2-65	14180	G.D.L.		
C	SEE SHEETS 7, 8, 9	11-26-65	15109	P.V.V.		
D	SEE SH. 1 OF 9, REV. "D"	5-10-66	16226	HLA		

LAST NUMBER USED	
AG 14	
CF 6	
EF 10	
FF 20	
NA 16	
NAG 16	
OS 10	
PF 26	

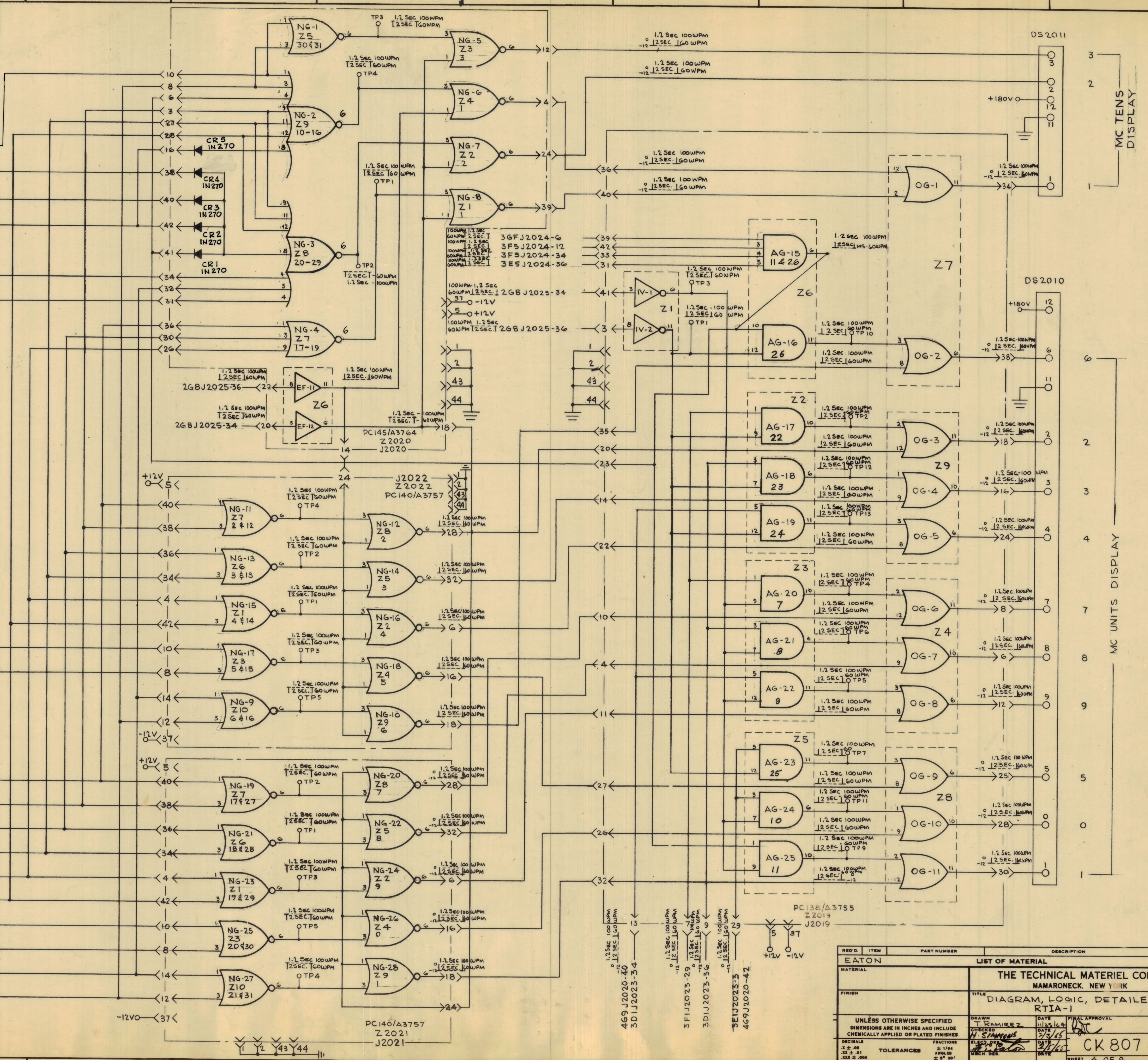
REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
EATON LIST OF MATERIAL				
MATERIAL THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
FINISH TITLE DIAGRAM, LOGIC, DETAILED RTIA-1				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES				
DRAWN T. RAMIREZ		DATE 12-15-64	FINAL APPROVAL	
CHECKED H. SUMMERS		DATE 2-5-65	DATE	
DESIGNED		DATE	DATE	
TOLERANCES		MECH. DES.	DATE	
FRACTIONS		CK807		
SHEET 3 OF 9		REV. LTR		

REVISIONS						
BY	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXPER. RELEASE	11-2-64	X	TR		
0	ORIGINAL RELEASE FOR PRODUCTION	2-5-65		HLG		
A	SEE SHEETS 7, 8, 9 OF 9 REV. "A"	3-19-67	13403	RZ		
B	ON AG 24 TO WAVEFORM AG 25 II WAS 1 - II 22 ON AG 15 ADDED - WAVEFORM ON TP PIN G, MODIFIED SEE SHEETS 1 THRU 3 & SHEETS 5 THRU 9	6-4-65	14180	G.D.L.		
C	SEE SHEETS 7, 8, 9	11-9-65	15109	XIV		
D	SEE SH. 1 OF 9, REV. "D"	3-10-66	16236	HLC		

- 3DIJ2023-36
- 3DIJ2023-34
- 4B4J2019-13
- 3EIJ2023-3
- 4B4J2019-29
- 3FIJ2023-29
- 3GIJ2023-12
- 3FIJ2023-6
- 3GIJ2023-10
- 3FIJ2023-4
- 3BIJ2023-8
- 3CIJ2023-40
- 3CIJ2023-14
- 3CIJ2023-42
- 3EIJ2023-32
- 3EIJ2023-38

LAST NUMBER USED

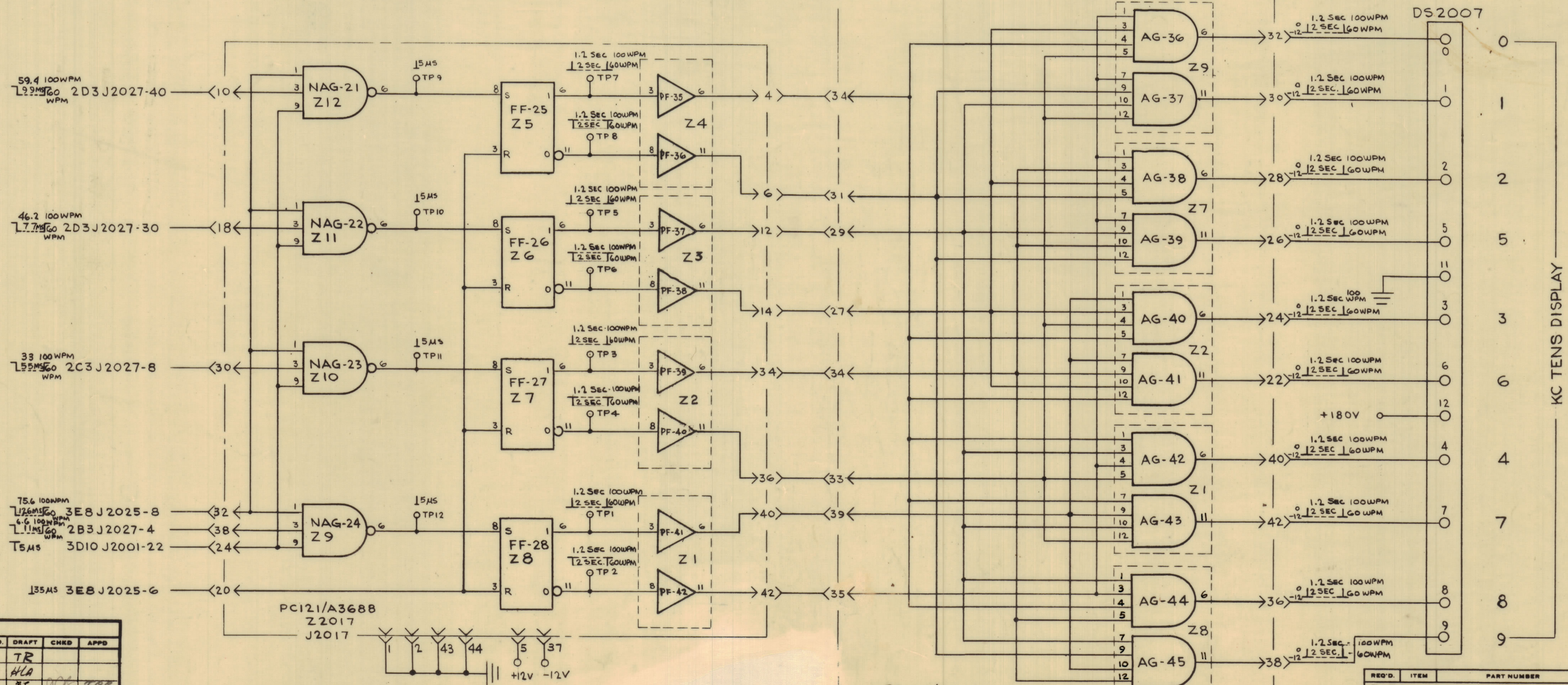
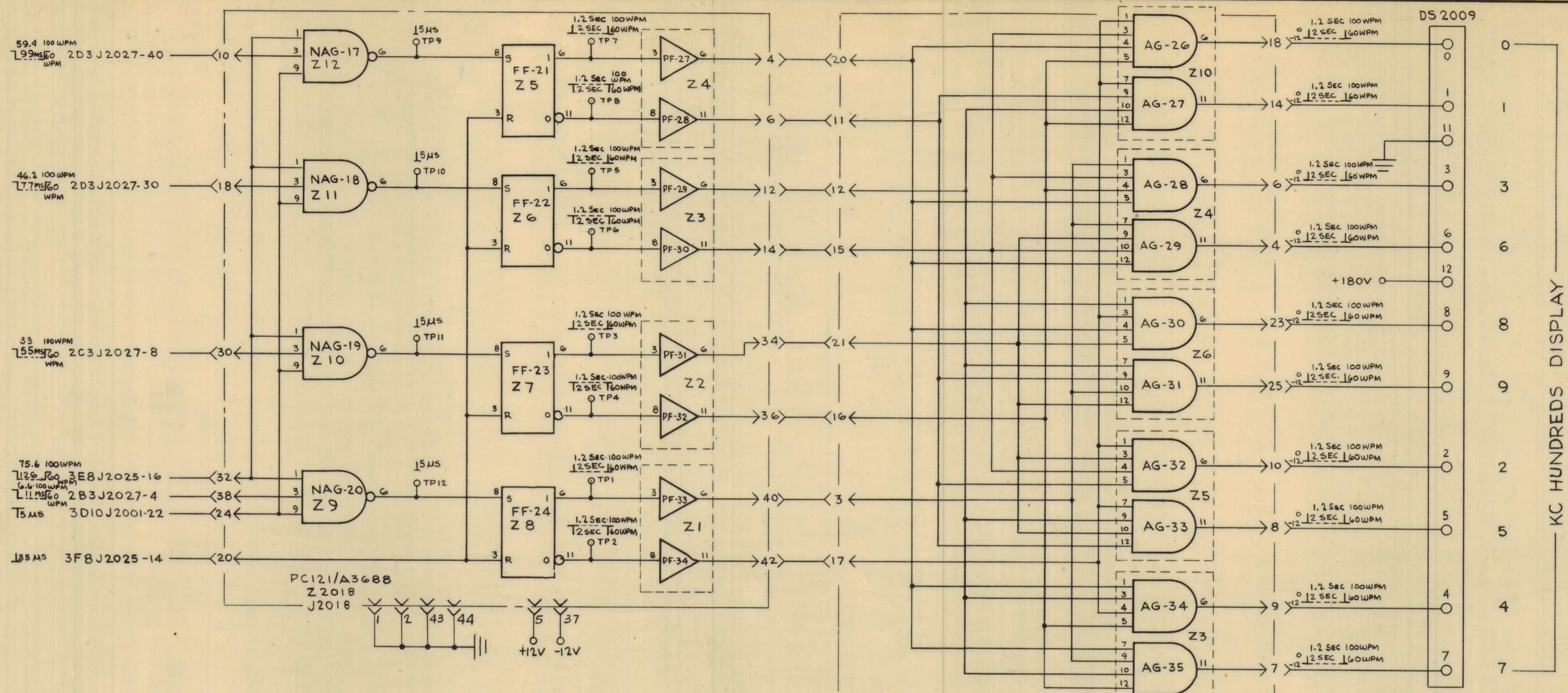
AG 25
EF 12
IV 2
NG 28
OG 11



MC TENS DISPLAY

MC UNITS DISPLAY

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
EATON				
LIST OF MATERIAL				
MATERIAL				
FINISH				
UNLESS OTHERWISE SPECIFIED				
DIMENSIONS ARE IN INCHES AND INCLUDE				
CHEMICALLY APPLIED OR PLATED FINISHES				
DECIMALS	TOLERANCES	FRACTIONS	ANGLES	HATCH
1/16	± 0.01	1/16	± 1/16	AS SHOWN
1/32	± 0.005	1/32	± 1/32	AS SHOWN
DRAWN BY: RAMIREZ			DATE: 11/25/64	FINAL APPROVAL: [Signature]
CHECKED BY: H. STANNERS			DATE: 2/3/65	
ELECT. BY: [Signature]			DATE: [Signature]	
MATERIAL BY: [Signature]			DATE: [Signature]	
TITLE: THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
DIAGRAM, LOGIC, DETAILED RTIA-1				
CK 807				D
SHEET 4 OF 9				REV. LTR.



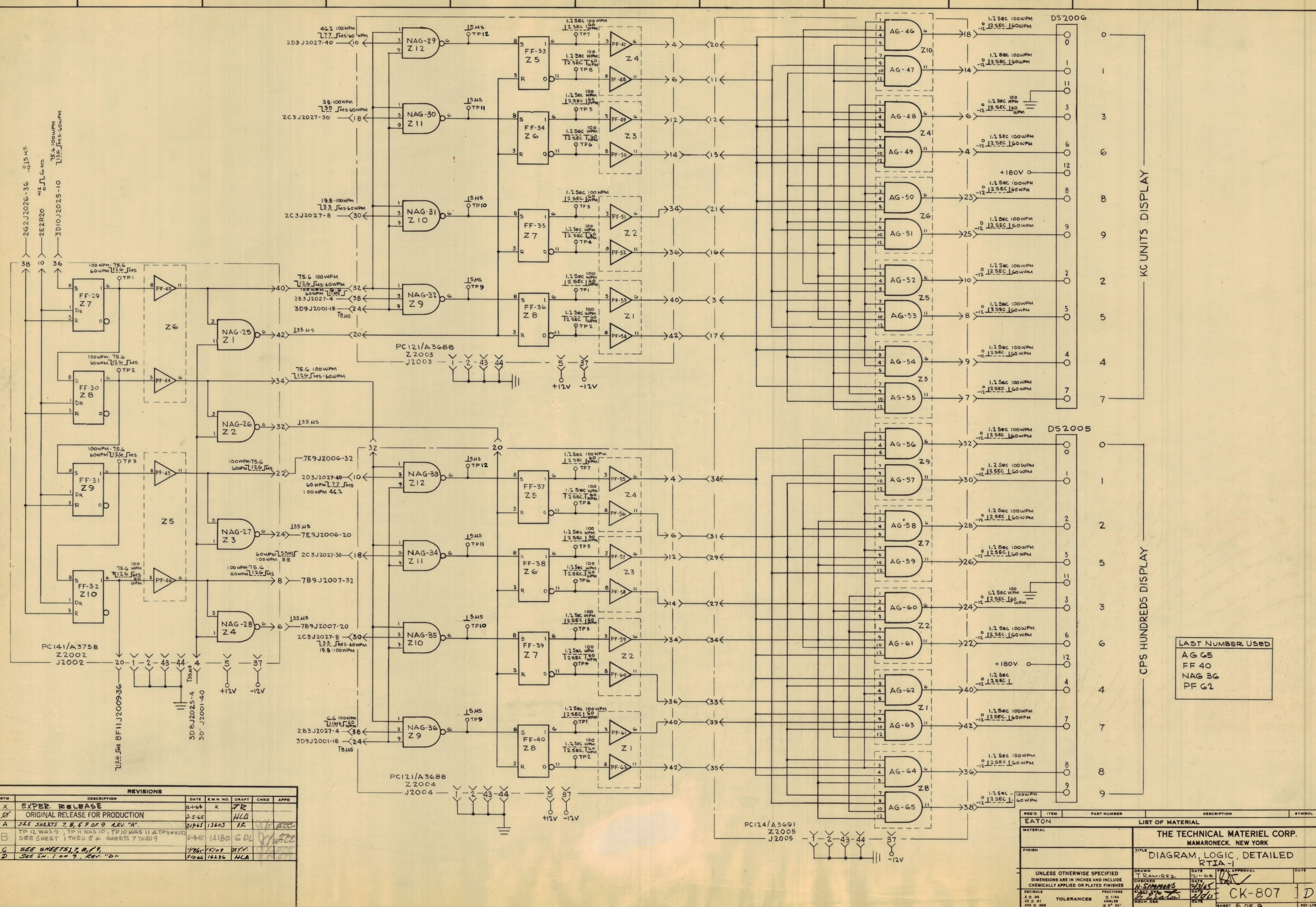
KC HUNDREDS DISPLAY

KC TENS DISPLAY

LAST NUMBER USED
 AG 45
 FF 28
 NAG 24
 PF 42

REVISIONS						
BYN	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXPER. RELEASE	12-2-64	X	TR		
D	ORIGINAL RELEASE FOR PRODUCTION	2-5-65		HLA		
A	SEE SHEETS 7, 8, & 9 OF 9 REV. "A"	3-19-65	13403	RF		
B	ON 'AG 44' & 'AG 45' PIN# 1 THRU 12 ADDED SEE SHEET 1 THRU 4 & SHEET 6 THRU 9	6-4-65	14180	G.D.L.		
C	SEE SHEETS 7, 8, & 9	11-24-65	15109	D.V.V.		
D	SEE SH. 1 OF 9, REV. "D"	5-8-66	16236	HLA		

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
EATON LIST OF MATERIAL				
MATERIAL THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
FINISH TITLE DIAGRAM, LOGIC DETAILED RTIA-1				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES				
DECIMALS	FRACTIONS	ANGLES	TOLERANCES	MECH. DES.
3 ± .08	1/16 ± .01	± 1/64	± .005	DATE
DRAWN T. RAMIREZ		DATE 12-2-64	FINAL APPROVAL	
CHECKED H. SIMMONS		DATE 2/1/65	DATE	
ELECT. DES. 2/1/65		DATE	DATE	
MECH. DES.		DATE	DATE	
CK-807			D	
SHEET 5 OF 9			REV. LTR.	

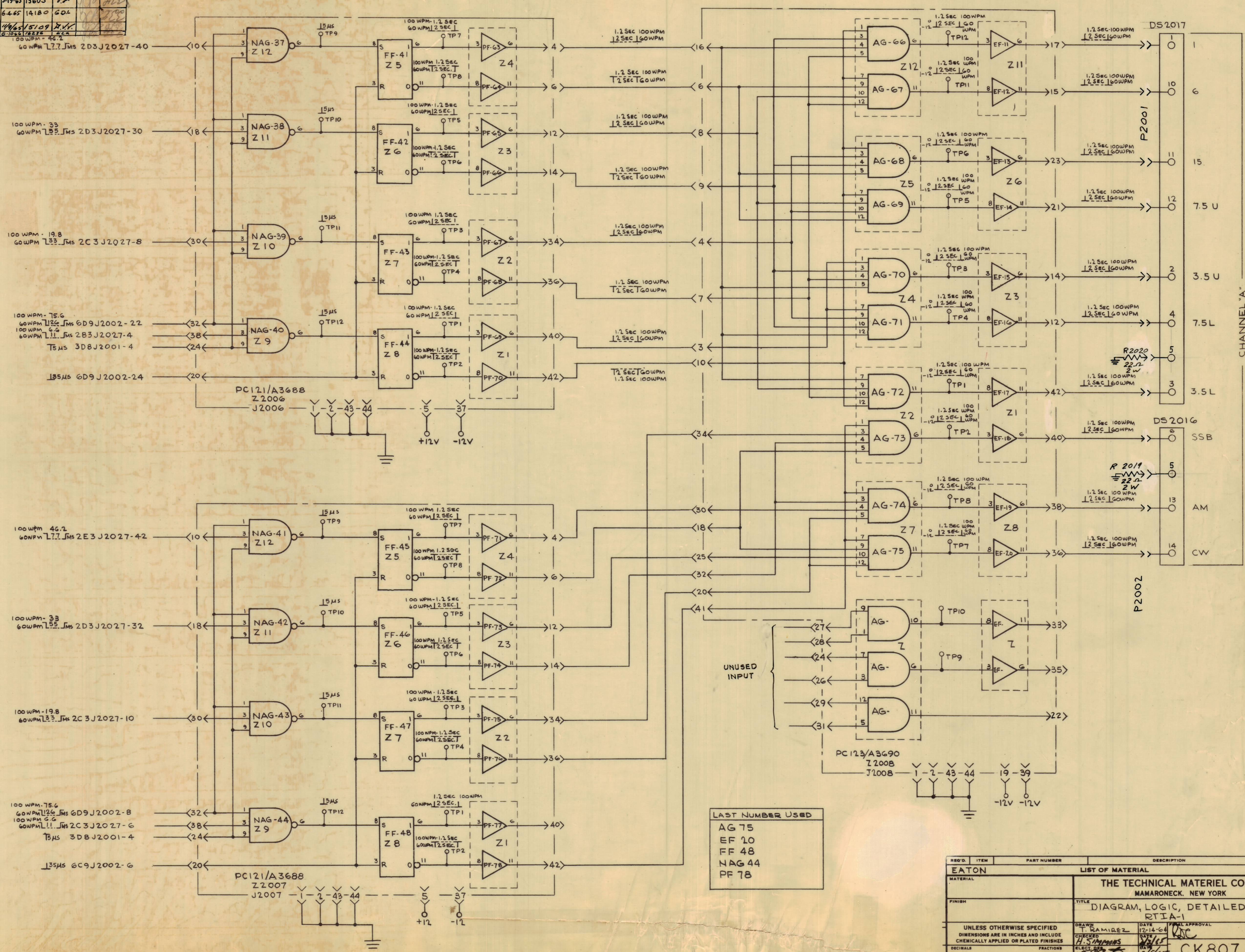


LAST NUMBER USED
 AG 65
 FF 40
 NAG 36
 PF 62

SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXPER. RELEASE	2-1-64	X	FR		
D	ORIGINAL RELEASE FOR PRODUCTION	2-5-65		HLD		
A	SEE SHEETS 7, 8, 6, 9 OF 9 REV. "A"	2-19-65	13603	RA		
B	TP 12 WAS 9, TP 11 WAS 10, TP 10 WAS 11 & TP 9 WAS 12 SEE SHEET 1 THRU 5 & SHEETS 7 THRU 9	6-4-65	14180	G.D.L.		
C	SEE SHEETS 1, 7, 8, 1, 1	11-16-65	15709	XYV		
D	SEE SH. 1 OR 9, REV. "B"	5-10-66	16236	HCA		

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
EATON LIST OF MATERIAL				
MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
FINISH TITLE DIAGRAM, LOGIC, DETAILED RTIA-1				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES				
DRAWN T. R. AMIGER CHECKED H. SUMMERS DESIGNED MECH. DES.	DATE 12-1-64 DATE 2/1/65 DATE DATE	APPROVAL 	DATE DATE DATE DATE	CK-807 REV. 6 OF 9

REVISIONS						
REV	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXPER. RELEASE	12-18-66	X	T. W.		
	ORIGINAL RELEASE FOR PRODUCTION	2-5-65		WLA		
A	ON D3204: PIN 5, R1019 & GRD. ADD; ON D3117: PIN 5, R1020 & GRD. ADD; SEE SHEETS 2 & 9 OF 9 REV. 'A'	3-19-65	13603	P.F.		SEE
B	ON PC123/A3690 PIN 22 WAS PIN 2 & NOTE ADDED SEE SHEETS 1 THRU 6 & SHEET B-9	6-4-65	14180	GDL		SEE
C	P2001'S F'CONN. SYN. ADDED. (SEE SHEETS 1, 8, 9)	4/4/65	15109	X.V.K.		SEE
D	SEE SH. 1 OF 9 "REV. D"	6-10-65	15356	SEE		SEE

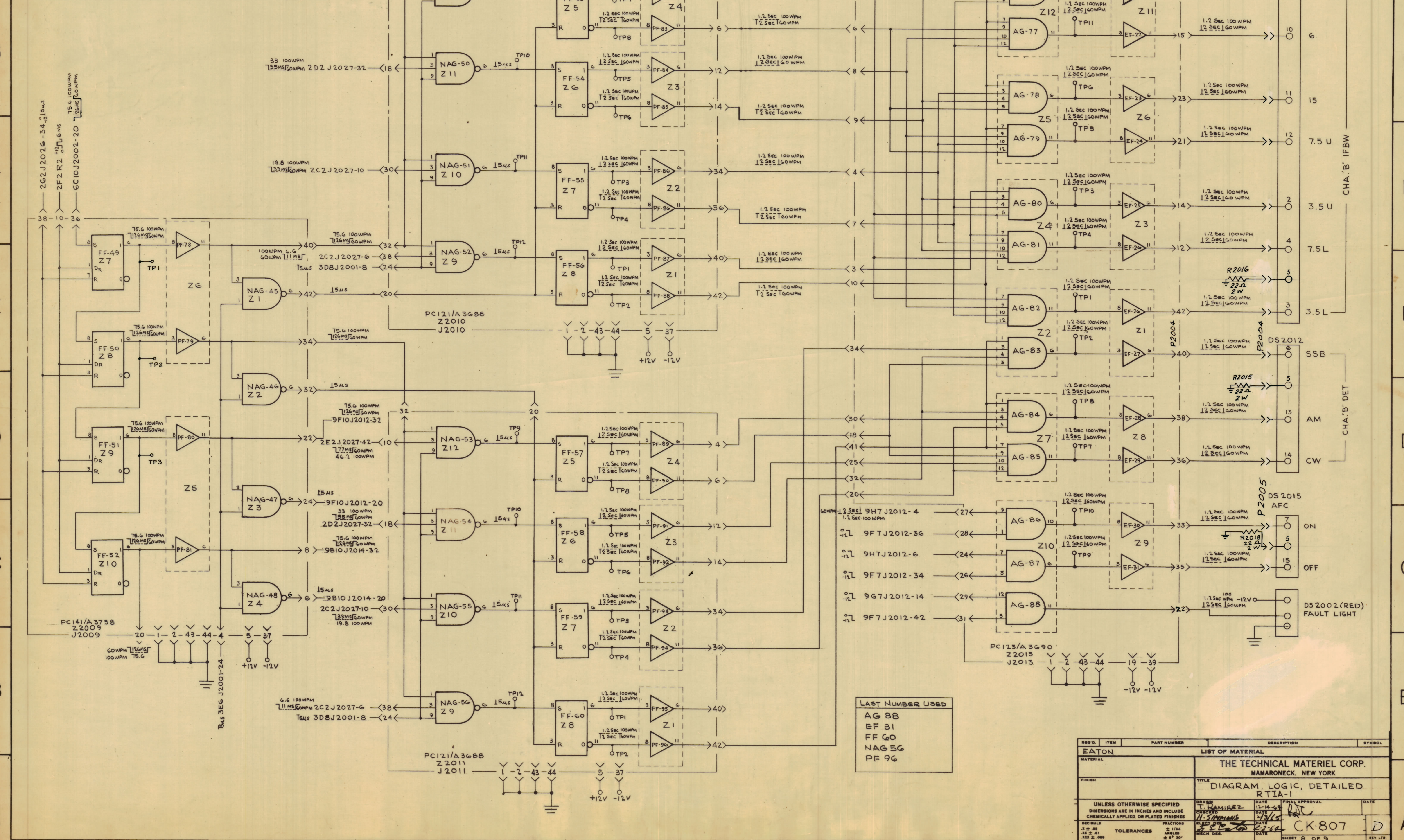


LAST NUMBER USED
 AG 75
 EF 10
 FF 48
 NAG 44
 PF 78

REV'D	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
EATON LIST OF MATERIAL				
MATERIAL THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
FINISH TITLE DIAGRAM, LOGIC, DETAILED RTIA-1				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DRAWN T. RAMIDEZ	DATE 12-18-66	FINAL APPROVAL
DECIMALS FRACTIONS		CHECKED H. SHIMMERS	DATE 1/11/67	DATE
TOLERANCES ± 1/64 ANGLES ± 30'		DATE 2/10/67	DATE	DATE
CK807				D
SHEET 7 OF 9				REV. LTR.

REVISONS

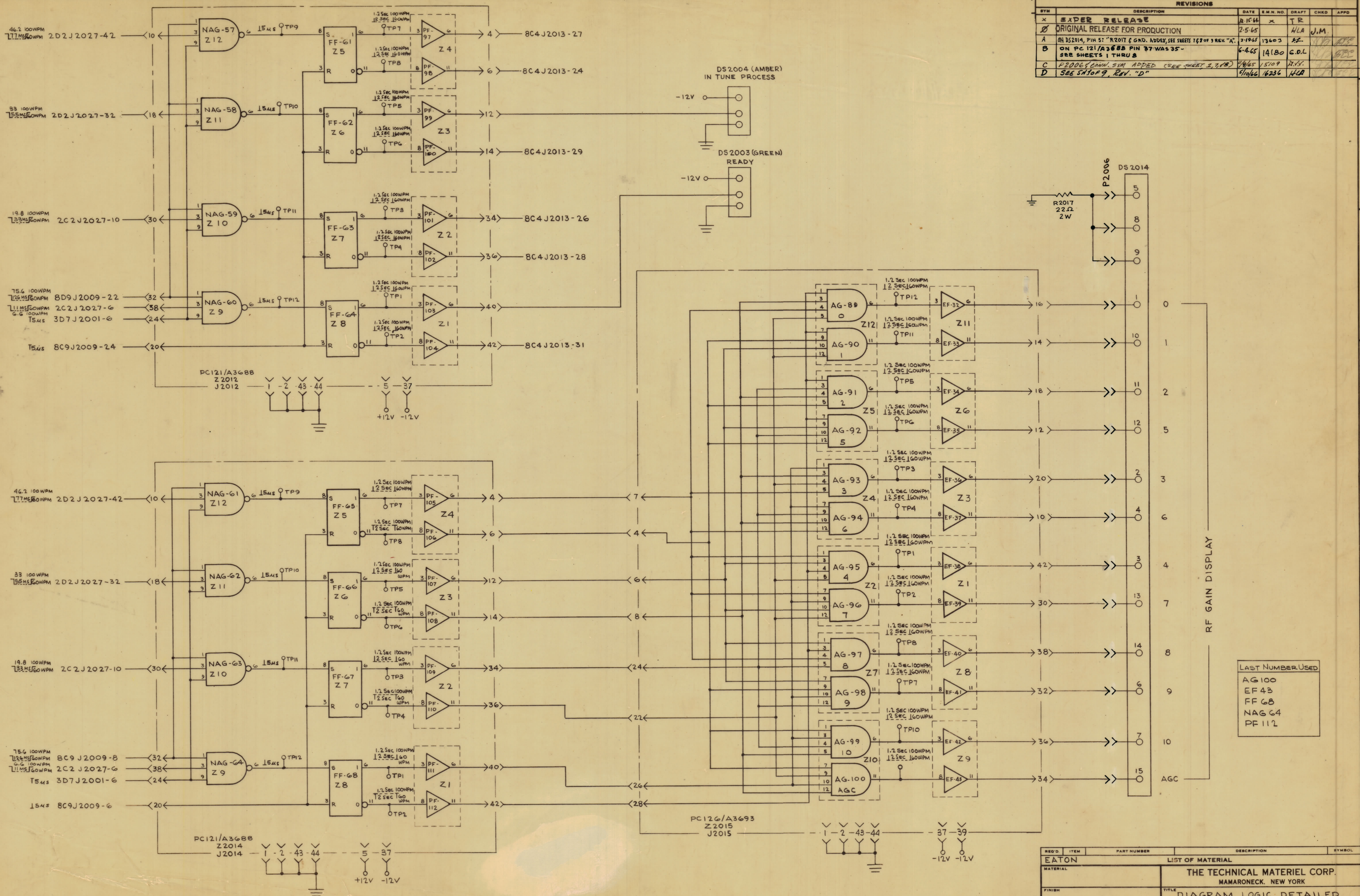
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXPER. RELEASE	11-14-64	X	T.R.		
B	ORIGINAL RELEASE FOR PRODUCTION	2-5-65	H.C.A.			
A	ON DS2015: PIN 5, R2016 & CRD. ADD; ON DS2012: PIN 5, R2015 & CRD. ADD; ON DS2013: PIN 5, R2016 & CRD. ADD; SKR SHEETS 7.6.7 & 9 REV. "A"	3-19-65	13603	H.F.		
B	TP 1, 2 & 3 ADDED - WAVE FORMS ON PIN 36 REVERSED - ON AG88 PIN 22 WAS 2 - PIN ON 2A ADDED SEE SHEETS 1 THRU 4 & 9	6-4-65	14180	G.D.L.		
C	P2003, 4, 5, COMM. SYM. ADDED (SEE SHEETS 1, 2)	11-6-65	15109	H.C.A.		
D	See SH. 1 of 9, Rev. "D"	5-10-66	16216	H.C.A.		



LAST NUMBER USED
 AG 88
 EF 81
 FF 60
 NAG 56
 PF 96

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
EATON LIST OF MATERIAL				
MATERIAL THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
FINISH TITLE DIAGRAM, LOGIC, DETAILED RTIA-1				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES				
DECIMALS	± 0.00	FRACTIONS	± 1/64	DATE
INCHES	± .01	ANGLES	± 30'	DATE
MILLIMETERS	± .008	MECH. DES.		DATE
DRAWN BY H. SIMMONS				DATE 12-14-64
CHECKED BY H. SIMMONS				DATE 12/15/64
APPROVED BY H. SIMMONS				DATE 12/15/64
REVISED BY H. SIMMONS				DATE 12/15/64
MECH. DES. CK-807				DATE
SHEET 8 OF 9				REV. LTR.

REVISIONS					
SYM	DESCRIPTION	DATE	EM.N. NO.	DRAFT	CHKD
X	EXPER RELEASE	2-15-64	X	TR	
D	ORIGINAL RELEASE FOR PRODUCTION	2-5-65		H/A	J.M.
A	ON K52014, PIN 5: "R2017 (2 GND. ADDY, SEE SHEETS 1 & 2 OF 3 REV. "A"	2-19-65	13403		
B	ON PC 121/A3688 PIN 37 WAS 35-SEE SHEETS 1 THRU 8	6-4-65	14180	G.O.L.	
C	P2006'S OWN. SYM ADDED (SEE SHEET 2, 3, 18)	2/19/65	15109	D.K.K.	
D	SEE SH10F9, Rev. "D"	5/10/66	16236	H/A	



LAST NUMBER USED	
AG 100	
EF 43	
FF 68	
NAG 64	
PF 112	

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
EATON LIST OF MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
TITLE: DIAGRAM, LOGIC, DETAILED RTIA-1				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DRAWN: T. RAMIREZ	DATE: 12-15-64	PIN APPROVAL: RJC
DECIMALS	FRACTIONS	CHECKED: H.S. SIMONS	DATE: 2/5/65	REV: 1
1/2, 3/8	1/4, 3/16	MECH. DES.:	DATE:	CK 807
1/16, 3/32	1/8, 5/16			D
TOLERANCES: ± 1/64 ANGLES: ± 0° 30'				SHEET 9 OF 9